

THE ANNALS of STATISTICS

AN OFFICIAL JOURNAL OF
THE INSTITUTE OF MATHEMATICAL STATISTICS

	PAGE
J. Neyman—On the occasion of his 80th birthday	L. LECAM AND E. L. LEHMANN vii
Articles	
The expected sample size of some tests of power one	H. ROBBINS AND D. SIEGMUND 415
A large sample study of the life table and product limit estimates under random censorship	N. BRESLOW AND J. CROWLEY 437
Estimation of distributions using orthogonal expansions	BRADFORD R. CRAIN 454
Necessary and sufficient conditions for inequalities of Cramér-Rao type	COLIN R. BLYTH 464
Maximum likelihood estimation of translation parameter of truncated distribution II	MICHAEL WOODROOFE 474
Consistent autoregressive spectral estimates	KENNETH N. BERK 489
On construction of some families of generalized Youden designs	FELIPE RUIZ AND ESTHER SEIDEN 503
Short Communications	
Regression designs in autoregressive stochastic processes	JAROSLAV HÁJEK AND GEORGE KIMELDORF 520
On the maximum likelihood estimation of stochastically ordered random variates	TIM ROBERTSON AND F. T. WRIGHT 528
A sequential solution to the inverse linear regression problem	S. K. PERNG AND YUNG LIANG TONG 535
Sequential rank tests for location	PRANAB KUMAR SEN AND MALAY GHOSH 540
Alternative estimators for the scale parameter of the exponential distribution with unknown location	J. F. BREWSTER 553
Classification and estimation of several multiple regressions	IVOR FRANCIS AND SAMPRIT CHATTERJEE 558
Robust estimation in the linear model	VICTOR J. YOHAI 562
Estimating equations in the presence of a nuisance parameter	V. P. GODAMBE AND M. E. THOMPSON 568
Completely separating groups in subsampling	LOUIS GORDON 572
A general approach to confounding plans in mixed factorial experiments when the number of levels of a factor is any positive integer	REGINALD WORTHLEY AND K. S. BANERJEE 579
Weak convergence of a two-sample empirical process and a Chernoff-Savage theorem for ϕ -mixing sequences	THOMAS R. FEARS AND K. L. MEHRA 586
A note on the strong convergence of distributions	THOMAS P. HETTMANSPERGER AND LAWRENCE A. KLIMKO 597
A characterization of the Pareto distribution	NAGESH S. REVANKAR, MICHAEL J. HARTLEY AND MARCELLO PAGANO 599
Red-and-black with unknown win probability	DONALD A. BERRY, DAVID C. HEATH AND WILLIAM D. SUDDERTH 602
A probability inequality for linear combinations of bounded random variables	MORRIS EATON 609

Vol. 2, No. 3—May 1974